

00684.001674.6

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|---------------------------------------|---|----------------------|
| In re Application of: |) | |
| | : | Examiner: A. Markoff |
| MASAAKI SUZUKI |) | |
| | : | Group Art Unit: 1746 |
| Appln. No.: Unassigned (Divisional of |) | |
| Appln. No. 10/629,636 filed | : | |
| July 30, 2003) |) | |
| | : | |
| Filed: April 21, 2004 |) | |
| | : | |
| For: METHOD OF CLEANING |) | |
| SUBSTRATE | : | April 21, 2004 |

Commissioner for Patents
MAIL STOP PATENT APPLICATION
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 CFR 1.56 and in accordance with the practice under 37 CFR 1.97 and 1.98, the attention of the Examiner is hereby directed to the documents listed on the attached Form PTO-1449. Each of the documents has been cited in at least one of parent Application Nos. 08/013,314, 08/743,375, 09/695,925 and, 10/629,636. In accordance with 37 CFR 1.98(d), copies of the cited documents are not being provided herewith.

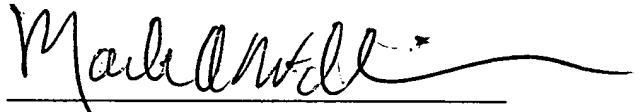
All of the listed documents, with the exception of US '680, which issued from U.S. Application No. 09/695,925, were cited in an Information Disclosure Statement filed July 30, 2003, in the parent application. A copy of US '680 is attached.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Favorable consideration hereof is earnestly solicited.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



Attorney for Applicant

Registration No. 33,628

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3801
Facsimile: (212) 218-2200
MAW:tnt

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)Date Submitted to PTO: **April 21, 2004**

ATTY DOCKET NO.

00684.001674.6

DIVISIONAL OF APPLICATION NO.

10/629,636

APPLICANT

MASAAKI SUZUKI

FILING DATE

April 21, 2004

GROUP

1746

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--|--------------------|----------------|------------------------|------------|---------------|-------------------------------|
| | | 4,028,135 | 06/1977 | VIG ET AL. | 134 | 1 | |
| | | 4,341,592 | 07/1982 | SHORTES ET AL. | 134 | 2 | |
| | | 4,715,392 | 12/1987 | ABE ET AL. | 134 | 62 | |
| | | 5,068,040 | 11/1991 | JACKSON | 210 | 748 | |
| | | 5,071,488 | 12/1991 | TAKAYAMA ET AL. | 134 | 34 | |
| | | 5,078,832 | 01/1992 | TANAKA | 134 | 1 X | |
| | | 5,094,898 | 03/1992 | MORITA ET AL. | 428 | 64 | |
| | | 5,150,239 | 09/1992 | WATANABE ET AL. | | | |
| | | 5,158,100 | 10/1992 | TANAKA ET AL. | 134 | 105 | |
| | | 5,185,059 | 02/1993 | NISHIDA ET AL. | | | |
| | | 5,198,634 | 03/1993 | MATTSON ET AL. | 219 | 121.43 | |
| | | 5,215,592 | 06/1993 | JACKSON | 134 | 1 | |
| | | 5,372,651 | 12/1994 | KODAMA | 134 | 26 | |
| | | 5,747,387 | 05/1998 | KOIZUMI ET AL. | 438 | 708 | |
| | | 6,217,665 | 04/2001 | SUZUKI | | | |
| | | 6,391,117 | 05/2002 | SUZUKI | | | |
| | | 6,651,680 | 11/2003 | SUZUKI | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|--|--|--------------------|----------------|--------------|-------|----------|---------------------------------------|
| | | 63-271938 | 11/1988 | JAPAN | | | ABSTRACT |
| | | 2-000315 | 01/1990 | JAPAN | | | ABSTRACT |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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|--|--|--|
| | | Valiev et al., "Interactions of Short-Wave UV Radiation on Thin Layers of Organic Compounds," Mikroelektronika, vol. 17, No. 6, pp. 522-527, 1988, with Abstract. |
| | | Vig, "UV/Ozone Cleaning of Surfaces," J. Vac. Sci. Technol. A 3(3), May/June 1985, pp. 1027-1034. |
| | | McGraw-Hill Encyclopedia of Physics, Parker, ed. (1983), p. 1135. |
| | | Zafonte et al., "UV/Ozone Cleaning for Organics Removal on Silicon Wafers," SPIE, Vol. 470, pp. 164-175, 1984. |

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DATE CONSIDERED

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MAW:nt